

# APC Anti-Integrin alpha 2 antibody [DX5] ab41460

**3 References**   [画像数 1](#)

### 製品の概要

|              |  |
|--------------|--|
| 製品名          | APC Anti-Integrin alpha 2 antibody [DX5]   |
| 製品の詳細        | APC Rat monoclonal [DX5] to Integrin alpha 2   |
| 由来種          | Rat  |
| 標識           | APC. Ex: 645nm, Em: 660nm  |
| アプリケーション     | <b>適用あり:</b> Flow Cyt  |
| 種交差性         | <b>交差種:</b> Mouse  |
| 免疫原          | Tissue, cells or virus corresponding to Mouse Integrin alpha 2. NK cells isolated from C57BL/6 mice  |
| ポジティブ・コントロール | Flow Cyt: C57BL/6 mouse splenocytes.   |
| 特記事項         | <p>This monoclonal antibody, clone DX5, reacts with CD49b, also known as very late antigen-2 (VLA-2) and Integrin alpha 2. The antibody stains the majority of NK cells and a small subpopulation of T cells in all mouse strains tested (e.g., A/J, AKR, BALB/c, C3H/HeJ, C57BL/6, C57BL/10, C57BR, C58, CBA/Ca, CBA/J, DBA/1, DBA/2, SJL, SWR). Three-color flow cytometry analysis has revealed that most cells that express NK-1.1 (NKR-P1C) also express CD49b. However, small subsets of DX5+NK-1.1- and DX5-NK-1.1+ cells can be found, especially among the CD3+ population of T lymphocytes.<sup>2</sup> NK cells cultured in the presence of IL-2 progressively lose reactivity with DX5 as a consequence of cellular proliferation. Therefore, DX5 can be used to define functionally distinct subsets of murine NK cells. The monoclonal antibody DX5 has not been demonstrated to have activating or blocking activity.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

### 製品の特性

|       |   |
|-------|---|
| 製品の状態 | Liquid  |
| 保存方法  | Shipped at 4°C. Store at +4°C. Store In the Dark. |

|         |  |
|---------|--|
| バッファー   | <p>pH: 7.3</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: PBS, 16% Sucrose</p> <p>Also contains stabilising agent.</p>   |
| 精製度     | Purified IgM   |
| 一次抗体 備考 | <p>This monoclonal antibody, clone DX5, reacts with CD49b, also known as very late antigen-2 (VLA-2) and Integrin alpha 2. The antibody stains the majority of NK cells and a small subpopulation of T cells in all mouse strains tested (e.g., A/J, AKR, BALB/c, C3H/HeJ, C57BL/6, C57BL/10, C57BR, C58, CBA/Ca, CBA/J, DBA/1, DBA/2, SJL, SWR). Three-color flow cytometry analysis has revealed that most cells that express NK-1.1 (NKR-P1C) also express CD49b. However, small subsets of DX5+NK-1.1- and DX5-NK-1.1+ cells can be found, especially among the CD3+ population of T lymphocytes.<sup>2</sup> NK cells cultured in the presence of IL-2 progressively lose reactivity with DX5 as a consequence of cellular proliferation. Therefore, DX5 can be used to define functionally distinct subsets of murine NK cells. The monoclonal antibody DX5 has not been demonstrated to have activating or blocking activity.</p> |
| ポリ/モノ   | モノクローナル  |
| クローン名   | DX5  |
| ミエローマ   | Sp2/0  |
| アイソタイプ  | IgM  |
| 軽鎖の種類   | kappa  |

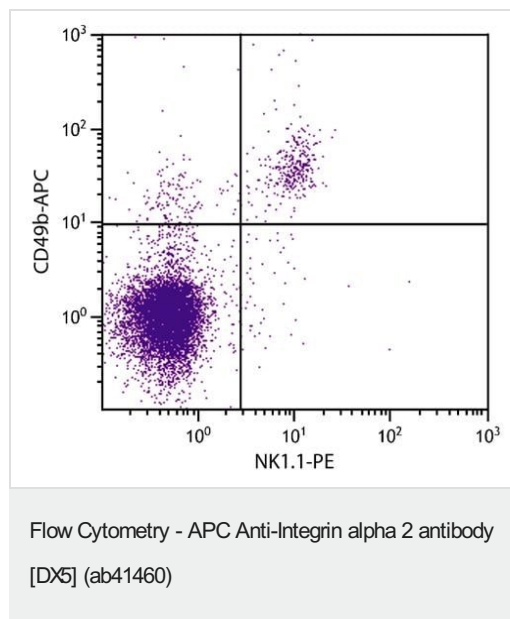
## アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab41460の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

| アプリケーション | Abreviews | 特記事項                                     |
|----------|-----------|--|
| Flow Cyt |           | Use at an assay dependent concentration. |

## ターゲット情報

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|-------|--|
| 機能    | Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix. |
| 配列類似性 | <p>Belongs to the integrin alpha chain family.</p> <p>Contains 7 FG-GAP repeats.</p> <p>Contains 1 VWFA domain.</p>  |
| ドメイン  | The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.  |
| 細胞内局在 | Membrane.  |



Flow Cytometry analysis of C57BL/6 mouse splenocytes stained for Integrin alpha 2 using ab41460 (0.1  $\mu\text{g}/10^6$  cells) and a Mouse Anti-Mouse NK1.1-PE.

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